Index to Volume 12

Authors

A

Abraham, H 76
Andrews, David C. 104
Andronopoulos, S. 61
Asimakopoulos, D. 61
Auger, John E 195

B

Barker, D.D 216
Barrish, Robert A. 115
Bartzis, J.G. 61,118
Bennett, Gary F. 1
Bernstein, George 71
Bley, Dennis C. 123,166
Bokeny, Roger E. 71
Britton, Laurence G 240
Browne, George 206

C

Carlson, Eric C 71
Coppersthwaite, D.P. 49
Croce, P.A. 76

D

Davenport, John A 12
Drake, Elizabeth M. 92

F

Felder, Richard M. 71
Frurip, David J 151

G

Gekler, Willard C. 123,166
Gray, B.F. 49
Green, L. Shayne 151
Griffiths, J.F. 49

H

Heskestad Gunnar 143

J

Jenssen, Tore K 137

K

Kaiser, Geoffrey D. 176
Kletz, Trevor A 147
Kolodji, Brian P. 127
Kumar, Ashok 1

L

Lakin, Michael B. 111
Lenoir, Eric M. 12
Levy, Leon B. 47, 111
Luo, Jie 1

M

Medhekar, Subodh. 123,166
Melham, G.A. 76
Mercx, W.P.M. 40, 222

O

Opschoor, G 222

P

Pasman, H.J. 40
Perbal, R 232
Petersen, Ronald L 143
Pratt, Thomas H 203
Pully, Angela S. 106

R

Ratcliff, Michael A 143
Rosenthal, Isadore 209
Rutledge, G.A. 67

S

Sankaran, N 181
Schatz, Klaus W. 143
Scheffler, Norman E. 151
Sollows, K 67
Statharas, John C. 118
Sumathipala, K. 67
Sweeney, Joseph C. 83

T

Thurston, Clark W. 92

V

van Wees, R.M.M 222
van Wingerden, C.J.M. 40
Venart, J.E.S. 67
Venetsanos, A 118

W

Waclawczyk, J.H 216
West, A.S. 34,55
Wehrum, William L 199
Whetton, Chris 158
Whitaker, Gordon W 133
Whitney, M.G. 216
Würtz, Jorgen. 61,118

Titles

A

ARCO Chemical's HAZOP Experience 83

B

BLEVE or not to BLEVE: Anatomy of a Boiling Liquid Expanding 67

C

Case Study of a Hydrogen Peroxide Related Deflagration in a Wastewater Treatment Tank.....199
Chemical Reactivity Evaluation: The CCPS Program..... 55
Compliance Strategies That Work.....195
Contractor Hazard Identification and Control.....133
Corporation and The Community: Credibility, Legitimacy, and Imposed Risk, The 209
Current Research at TNO on Vapor Cloud Explosion Modelling.....222

D

Data Summary of the National Fire Protection Association's BLEVE Tests..... 76

E

Effect of Oxygen on Vinyl Acetate and Acrylic Monomer Stabilization, The 47
Electrostatic Ignitions in Enriched Oxygen Atmospheres: A Case History 203
Emergency Response Shortstop Inhibiition During the Approach to an Acrylic Acid Runaway Polymerization 111
Evaluating External Spill Response Resources 206

F

Failure and Design Limit Criteria for Blast Loaded Structures 216
Frequency Estimates for Transport-Related Hydroflouric and Sulfuric Acid Release Scenarios.....166

H

Hazard Resolutions in Sulfur Plants from Design Through Start-Up.....127

I

Industry Views on Chemical Process Safety.....104

M

Maintainability and its Application to Process Plant.....158

N

Novel, Thermal Instability in a "Semi-Batch" Reactor, A.....49

P

Prediction of Ammonia Releases Using ADREA-HF Code.....118
Prediction of Vessel and Piping Failure Rates in Chemical Process Plants Using the Thomas Model.....123
Process Safety Management in Delaware.....115
Physical Modeling of Water Sprays - Comparison Against Field Operations 143

S

Safety Evaluation Framework for Process Hazards Management in Chemical Facilities With PES-Based Controls, A.....92
Safety Testing of New Chemicals: The Regulatory Framework Worldwide..... 34
Simulation-Based Decision Support System for a Pharmaceuticals Manufacturing Plant 71
Simulation of the Thorney Island .. Dense Gas Trial No. 8, Using the Code ADREA-HF..... 61
Static Hazards Using Flexible Intermediate Bulk Containers for Powder Handling 240
Statistical Evaluation of Lower Flammability Distance (LFD) Using Four Hazardous Release Models..... 1
Survey of Vapor Cloud Explosions, A..... 12
Systems for Good Management Practices in Quantified Risk Analysis.....137

T

Transient Flow Phenomena and Reaction Forces During Blowdown of Gas at High Pressures Through Relief Lines Behind Rupture Disks 232

U

Unforseen Side-Effects of Improving the Environment, The.....147
Utilization and Results of Hazard and Operability Studies in a Petroleum Refinery 106

V

Vapor Supression of Chemicals Using Foams.....151
Venting of Gaseous Explosions..... 40

Subjects

A

Acid release scenarios 166
Accident prevention 176
Acrylic .....
  acid runaway polymerization.....111
  monomer stabilization 47
ADREA-HF code.....61,118
Ammonia releases, prediction of ...118

B

Blast loaded structures 216
BLEVE.....67, 76

Bulk containers, flexible.....240

C

Code ADREA-HF..... 61
Chemical(s)
  process plants, failure rates in 123
  process safety.....104
  reactivity evaluation 55
  vapor supression of.....151
Clean air act 176
Compliance strategies 195
Corporation and the community 209

D

Deflagration, H_2O_2 related.....199
Decision support system 71
Design of sulfur plants 127

E

Electrostatic ignitions.....203
Emergency response.....111
Environment, improving the.....147
Explosions, gaseous..... 40
External spill response resources..206

F

Foams, using in vapor supression 151

G

Gas
  blowdown at high pressures 232
  dense gas trial No. 8 61
Gaseous explosions 40

H

Hazard
  and operability studies 106
  evaluation procedures.....181
  identification and control 133
  resolutions in sulfur plants 127
Hazardous release models..... 1
HAZOP experience..... 83
Hydrofluoric acid release 166
Hydrogen peroxide deflagration 199

I

Intermediate bulk containers 240

L

Lower flammability distance 1

O

Oxygen
  atmospheres, enriched 203
  effect on vinyl acetate 47

P

PES-based controls..... 92
Petroleum refinery, studies in a 106
Piping and vessel failure rates.....123
Powder handling.....240
Process
  hazards management 92
  process, maintainability.....158
  safety management 115

Q

Quantified risk analysis.....137

R

Reactor, semi-batch 49
Risk analysis, quantified.....137
Rupture discs, relief lines behind...232

S

Safety testing of new chemicals 34
Simulation-based support system . .71
Static hazards.....240
Start-up of sulfur plants 127
Statistical evaluation of LFD..... 1
Sulfur plants, hazard resolutions ..127
Sulfuric acid release 166

T

Thermal instability, a novel..... 49
Thomas model, using the 123
Transient flow phenomena 232
Vapor cloud explosion(s)
  BLEVE 67
  modeli ng 222
  survey of 12

V

Venting of gaseous explosions..... 40
Vessel and piping failure rates 123
Vinyl acetate 47

W

Wastewater treatment 199
Water sprays, modeling of.....143

Statement of Ownership, Management, and Circulation (required by 39 U.S.C. 3685) of September 22, 1993, for *Process Safety Progress* Publication No. 689-410, issued quarterly for an annual subscription price of $125 from 345 E. 47th St., New York, NY 10017, which is the location of its publication and business offices. The name and address of the Publisher, Editor, and Managing Editor are: Publisher, Gary M. Rekstad, 345 E. 47th St., New York, NY 10017; Editor, T. A. Ventrone, 345 E. 47th St., New York, NY 10017; Managing Editor, Maura Mullen, 345 E. 47th St., New York, NY 10017. The owner is: American Institute of Chemical Engineers, 345 E. 47th St., New York, NY 10017. The known bondholders, mortgagees, and other security holders owning or holding one percent or more of the total amounts of bonds, mortgages, or other securities are: None. The purpose, function, and nonprofit status of this organization, and the exempt status for federal income tax purposes have not changed during the preceding 12 months. The following figures describe the nature and extent of *Process Safety Progress*' circulation. In each category the first number (*in italics*) is the average number of copies of each issue during the preceding 12 months. The number next to it, within parentheses ( ), is the actual number of copies of the single issue published nearest to the filing date. Total number of copies printed (net press run), *2,950* (3,000). Paid circulation: 1. Sales through dealers and carriers, street vendors, and counter sales: None; 2. Mail subscriptions, *2,035* (2,045). Total paid circulation *2,035* (2,045). Free distribution by mail carrier, or other means; samples, complimentary, and other free copies, *56* (52). Total distribution *2,090* (2,097). Copies not distributed: 1. Office use, left over, unaccounted, spoiled after printing *860* (903). 2. Returns from news agents: None. Total *2,950* (3,000).
I certify that the statements made by me are correct and complete. Gary M. Rekstad, Publisher.